

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/818,260
Filing Date	March 26, 2001
First Named Inventor	Schork
Art Unit	1631
Examiner Name	Andrew A. Kenedy
Attorney Docket Number	G-085US04CON

Sheet

1

of

5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AK	U1	US-4,902,505	02/20/1990	Pardridge <i>et al.</i>	All
AK	U2	US-4,987,084	01/22/1991	Tedder <i>et al.</i>	All
AK	U3	US-5,229,494	07/20/1993	Evans <i>et al.</i>	All
AK	U4	US-5,445,942	08/29/1995	Rabin <i>et al.</i>	All
AK	U5	US-5,599,400	02/04/1997	Mao <i>et al.</i>	All
AK	U6	US-5,641,670	06/24/1997	Treco <i>et al.</i>	All
AK	U7	US-5,693,496	12/02/1997	Alves <i>et al.</i>	All
AK	U8	US-5,714,459	02/03/1998	O'Brien <i>et al.</i>	All
AK	U9	US-5,762,926	06/09/1998	Gage <i>et al.</i>	All

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
AK	F1	WO 99/02171 A1	01/21/1999	Texas Heart Institute	All	
AK	F2	WO 99/24565 A1	05/20/1999	Gorczynski	All	
AK	F3	WO 99/38963 A1	08/05/1999	Genesense Technologies, Inc.	All	
AK	F4	WO 99/52942 A2	10/21/1999	Genset	All	
AK	F5	WO 00/55632 A1	09/21/2000	Women's and Children's Hospital	All	
AK	F6	WO 01/51618 A2	07/19/2001	Agy Therapeutics, Inc.	All	
AK	F7	WO 01/91026 A2	11/29/2001	Genset	All	
AK	F8	WO 01/92330 A2	12/06/2001	Genset	All	

Examiner
Signature*Andrew A. Kenedy*

Date

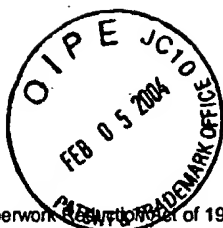
Considered

4/13/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/818,260
Filing Date	March 26, 2001
First Named Inventor	Schork
Art Unit	1631
Examiner Name	Andrew A. Kenedy
Attorney Docket Number	G-085US04CON

Sheet 2 of 5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U10	US-5,840,688	11/24/1998	Tso	All
	U11	US-5,932,536	08/03/1999	Wright <i>et al.</i>	All
	U12	US-5,945,522	08/31/1999	Cohen <i>et al.</i>	All
	U13	US-5,948,756	09/07/1999	Barenholz <i>et al.</i>	All
	U14	US-5,952,034	09/14/1999	Buchanan <i>et al.</i>	All
	U15	US-5,989,545	11/23/1999	Foster <i>et al.</i>	All
	U16	US-6,004,554	12/21/1999	Thorpe <i>et al.</i>	All
	U17	US-6,027,935	02/22/2000	Purchio <i>et al.</i>	All
	U18	US-6,074,844	06/13/2000	Hillman <i>et al.</i>	All

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	F1					
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner
Signature

Andrew Kenedy

Date
Considered

4/13/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)
Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/818,260	
			Filing Date	March 26, 2001	
			First Named Inventor	Schork	
			Art Unit	1631	
			Examiner Name	Andrew A. Kenedy	
Sheet	3	of	5	Attorney Docket Number	G-085US04CON

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U19	US-6,090,631	07/18/2000	Catterall <i>et al.</i>	All
	U20	US-6,099,857	08/08/2000	Gross	All
	U21	US-6,110,747	08/29/2000	Blaschuk <i>et al.</i>	All
	U22	US-6,113,951	09/05/2000	Buchanan <i>et al.</i>	All
	U23	US-6,117,454	09/12/2000	Kreuter <i>et al.</i>	All
	U24	US-6,153,192	11/28/2000	Kopetzki <i>et al.</i>	All
	U25	US-6,169,074	01/02/2001	Montal <i>et al.</i>	All
	U26	US-6,180,602	01/30/2001	Kato <i>et al.</i>	All
	U27	US-6,190,723	02/20/2001	Buchanan <i>et al.</i>	All

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
	F1					
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner Signature		Date Considered	4/13/04
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

5

Complete if Known

Application Number	09/818,260
Filing Date	March 26, 2001
First Named Inventor	Schork
Art Unit	1631
Examiner Name	Andrew A. Kenedy
Attorney Docket Number	G-085US04CON

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>[Signature]</i>	U28	US-6,191,154	02/20/2001	Landreth <i>et al.</i>	All
<i>[Signature]</i>	U29	US-6,197,940	03/06/2001	Klinefelter	All
<i>[Signature]</i>	U30	US-6,265,546	07/24/2001	Cohen <i>et al.</i>	All
<i>[Signature]</i>	U31	US-6,268,487	07/31/2001	Kutzko <i>et al.</i>	All
<i>[Signature]</i>	U32	US-6,346,381	02/12/2002	Cohen <i>et al.</i>	All
<i>[Signature]</i>	U33	US 2003/0195707 A1	10/19/2003	Schork <i>et al.</i>	All
	U34				
	U35				
	U36				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	F1					
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner
Signature

Andrew Kenedy

Date
Considered

4/13/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

5

of

5

Complete if Known

Application Number	09/818,260
Filing Date	March 26, 2001
First Named Inventor	Schork
Group Art Unit	1631
Examiner Name	Andrew A. Kenedy
Attorney Docket Number	G-085US04CON

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AK	R1	EXCOFFIER, L., et al., "Maximum-likelihood estimation of molecular haplotype frequencies in a diploid population", <i>Mol. Biol. Evol.</i> (1995), 12:921-927; XP000891487; The University of Chicago Press	
AK	R2	FALLIN, D., et al., "Accuracy of haplotype frequency estimation for biallelic loci, via the expectation-maximization algorithm for the unphased diploid genotype data", <i>Am. J. Hum. Gen.</i> (2000), 67(4):947-959; XP002953525; American Society of Human Genetics, Chicago, IL	
	R3	FALLIN, D., et al., "Genetic Analysis of Case/Control Data Using Estimated Haplotype Frequencies Application to APOE Locus Variation And Alzheimer's Disease", <i>Gen. Res.</i> (2000), 11:143-151	
AK	R4	HAWLEY, M. et al., "Haplo: A program using the EM Algorithm to estimate the frequencies of multi-site haplotypes", <i>J. Heredity</i> (1995), 86(5): 409-411; XP000891489; Oxford University Press	
AK	R5	LONG, A.D., et al., "The power of association studies to detect the contribution of candidate genetic loci to variation in complex traits", <i>Genome Res. 'Online'</i> (1999), 9(8): 720-731; XP002222375	
AK	R6	LONG, J.C., et al., "An E-M Algorithm and Testing Strategy for Multiple-Locus Haplotypes", <i>Am. J. Hum. Gen.</i> (1995); 56:799-810; XP002944464; The University of Chicago Press	
	R7	LYMAN, R.F., et al., "Linkage Disequilibrium Mapping of Molecular Polymorphisms at the Scabrous Locus Associated With Naturally Occurring Variation in Bristle Number <i>Drosophila melanogaster</i> ", <i>Genet. Res. Camb.</i> (1999), 74:303-311; Cambridge University Press	
AK	R8	NIELSEN, D.M., et al., "Detecting marker-disease association by testing for Hardy-Weinberg disequilibrium at a marker locus", <i>Am. J. Hum. Gen.</i> (1999), 63:1531-1540; XP002953526; The University of Chicago Press	
	R9	ZHAO, J.H., et al., "Model-Free Analysis and Permutation Tests for Allelic Associations", <i>Hum. Hered.</i> (2000), 50:133-139; S. Karger A.G., Basel, Switzerland	
	R10		
	R11		

Examiner
Signature*Andrew Kenedy*

Date

Considered

4/13/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.